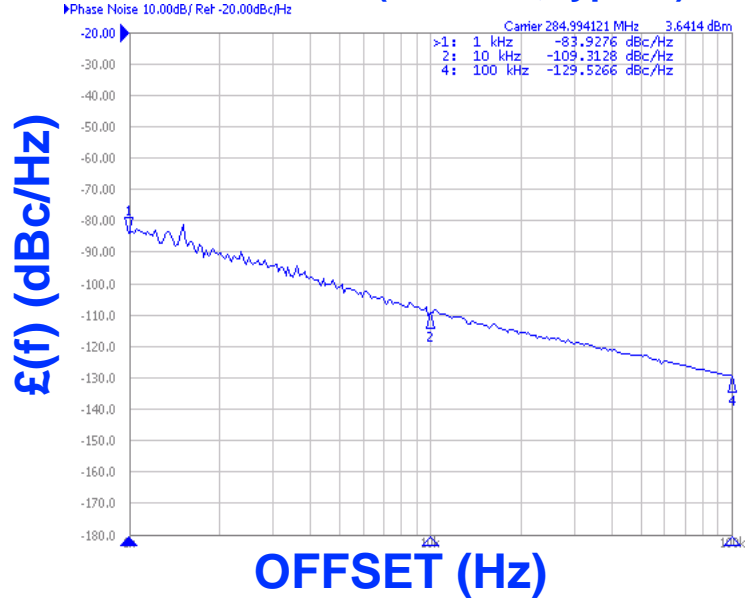




**PHASE NOISE (1 Hz BW, typical)**



**FEATURES**

- Frequency Range: 270 - 300 MHz
- Tuning Voltage: 0.5-4.5 Vdc
- MINI-14S - Style Package

**APPLICATIONS**

- Satellite Modems
- Mobile Radios
- Earthstations

**PERFORMANCE SPECIFICATIONS**

	VALUE	UNITS
Oscillation Frequency Range	270 - 300	MHz
Phase Noise @ 10 kHz offset (1 Hz BW, typ.)	-109	dBc/Hz
Harmonic Suppression (2nd, typ.)	-10	dBc
Tuning Voltage	0.5-4.5	Vdc
Tuning Sensitivity (avg.)	20	MHz/V
Power Output	7.5±2.5	dBm
Load Impedance	50	Ω
Input Capacitance (max.)	200	pF
Pushing	<3	MHz/V
Pulling ( 14dB Return Loss, Any Phase)	<1	MHz
Operating Temperature Range	-40 to 85	°C
Package Style	MINI-14S	

**POWER SUPPLY REQUIREMENTS**

Supply Voltage (Vcc, nom.)	5	Vdc
Supply Current (Icc, typ.)	22	mA

All specifications are typical unless otherwise noted and subject to change without notice.

**APPLICATION NOTES**

- AN-100/1 : Mounting and Grounding of VCOs
- AN-102 : Proper Output Loading of VCOs
- AN-107 : How to Solder Z-COMM VCOs

**NOTES:**

